(Un)Fairness of Electoral Rules

Elections

A necessary but not a sufficient condition for democracies

- Various benefits:
 - Accountability
 - Representation
 - Legitimacy
 - A peaceful transfer of power (unlike a military coup)
 - Civic mobilization

Only free and fair elections fulfil this role

Fairness in Elections

- What is fair / unfair?
- Binary options or a scale?
- Guarantee that elections are conducted in a fair manner
 - Role of electoral rules
- Equal opportunities for those who participate:
 - Voters
 - Political parties / candidates



Electoral Districts

A key feature of electoral systems

Number and size (number of seats) of districts and their impact

- Importance of geography:
 - Who selects the borders?
 - Based on what interests?

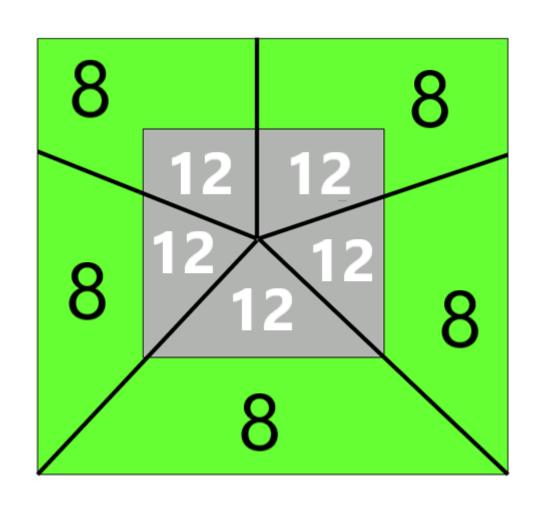
Election to assembly (5 seats)

- Description of the region:
 - Consists of a town (60 people) and the countryside (40 people)
 - Town inhabitants support political party A
 - People outside the town support political party B

- FPTP system with 5 single-member districts
 - Each district includes 20 voters 12 from the town and 8 from the countryside

As a result in each district party A wins with 12 votes over party B

Election to assembly (5 seats)

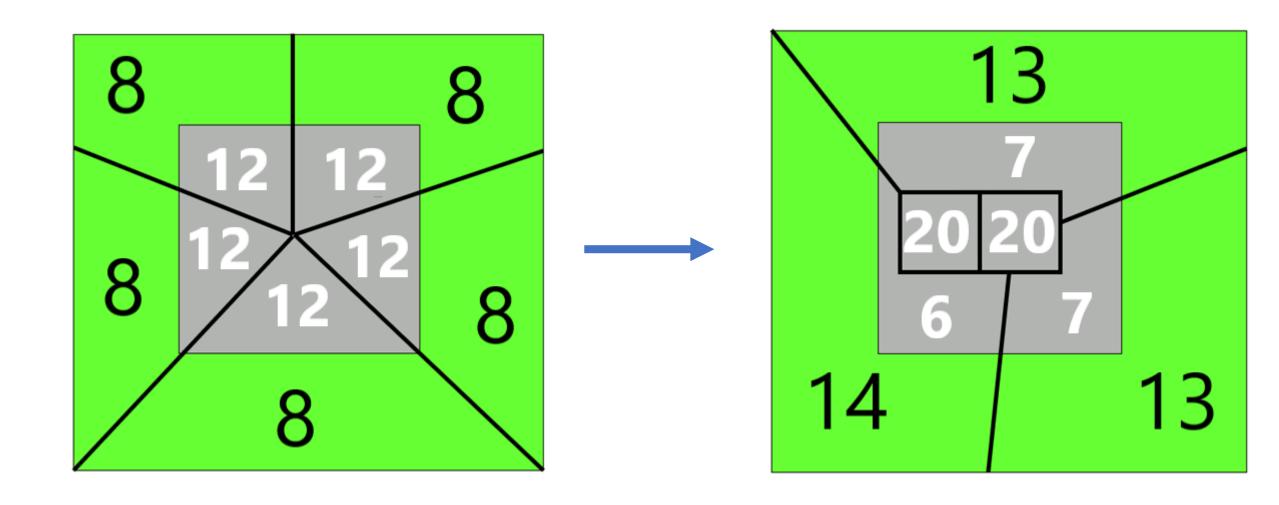


Results

District	Party A	Party B	Winner
1	12	8	Α
2	12	8	Α
3	12	8	Α
4	12	8	А
5	12	8	А

Party	Votes	Seats	Win
Α	60	5	
В	40	0	

What if we redraw the borders?



Before

District	Party A	Party B	Winner
1	12	8	А
2	12	8	Α
3	12	8	Α
4	12	8	Α
5	12	8	Α

Party	Votes	Seats	Win
Α	60	5	
В	40	0	

After

District	Party A	Party B	Winner
1	20	0	Α
2	20	0	Α
3	7	13	В
4	7	13	В
5	6	14	В

Party	Votes	Seats	Win
Α	60	2	
В	40	3	

Gerrymandering

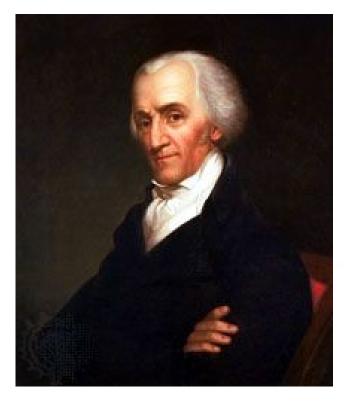
Tactical approach in drawing district borders

Goals:

- Strategic division of the electorate into closed districts
- To tie the electorate of rivals into excessively large concentrations
- Exhaust the opponent's potential by fewer unnecessarily high victories

Absurd territorial units can arise as a consequence

The Origin





- Elbridge Gerry (1744-1814):
 - Governor of Massachusetts
 - How to pronounce? (https://www.youtube.com/watch?v=Rp0Qz19nlG4)

Key issues

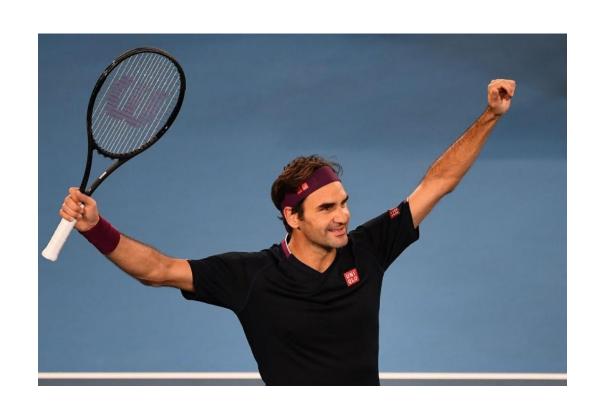
• Gerrymandering is a completely legal process

Basically no violation of the equality of the right to vote

Ethical aspects

A political game on naivety

Which Electoral Systems?



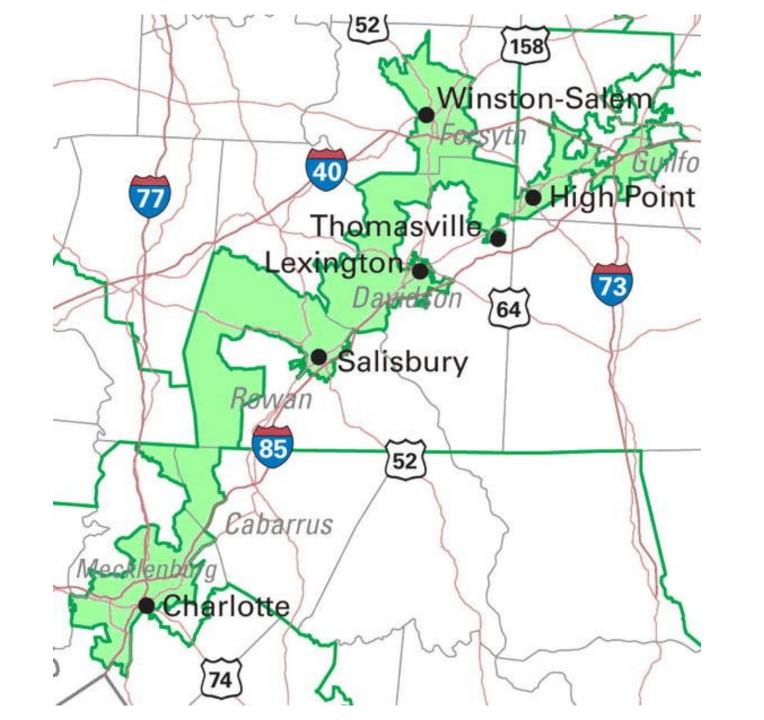


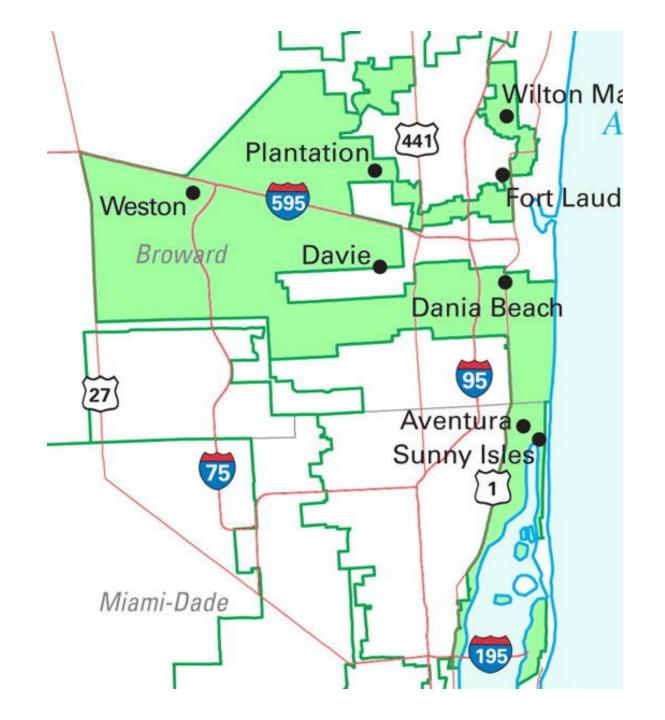
Gerrymandering Today

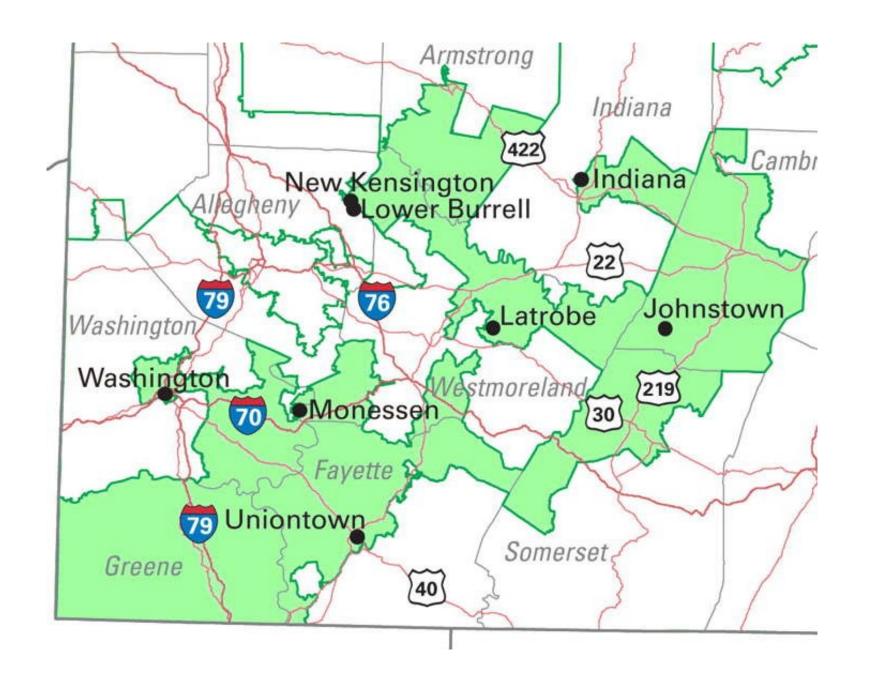
Availability of data

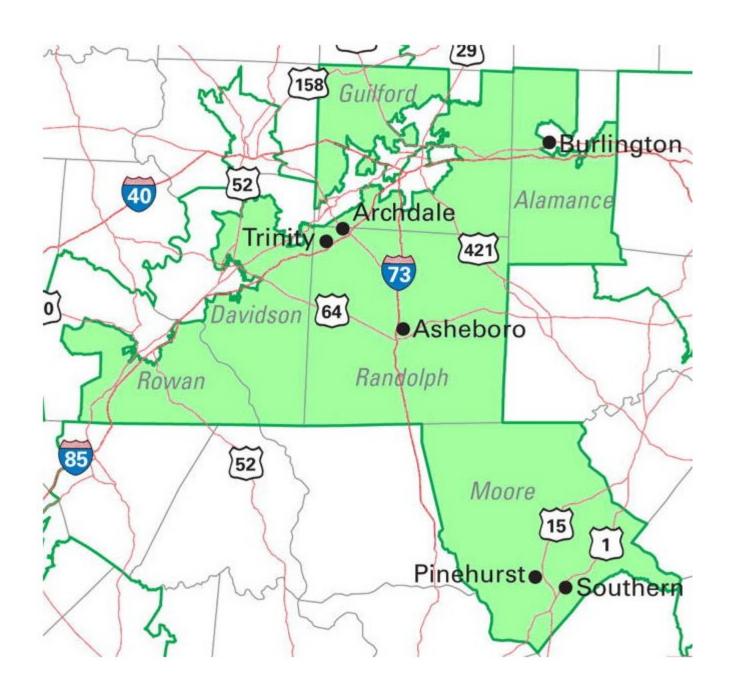
Computers / Al

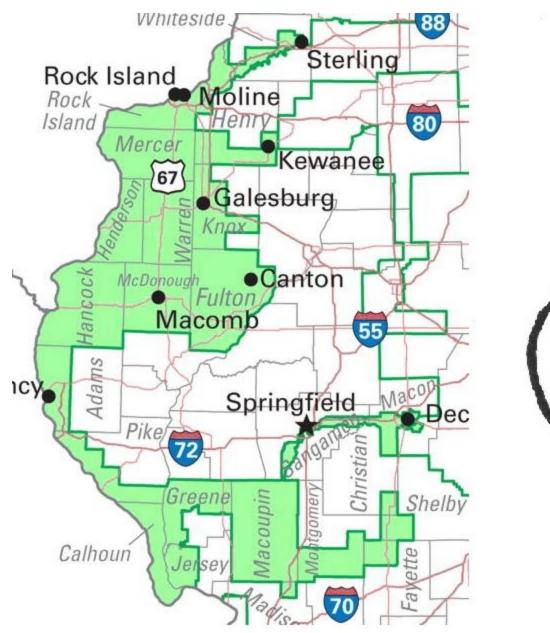
Attempts to eliminate gerrymandering

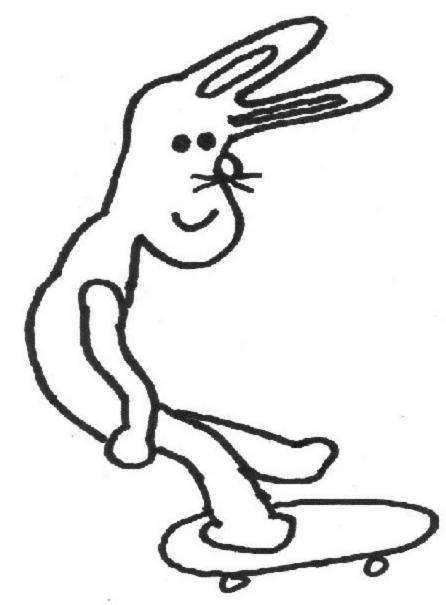








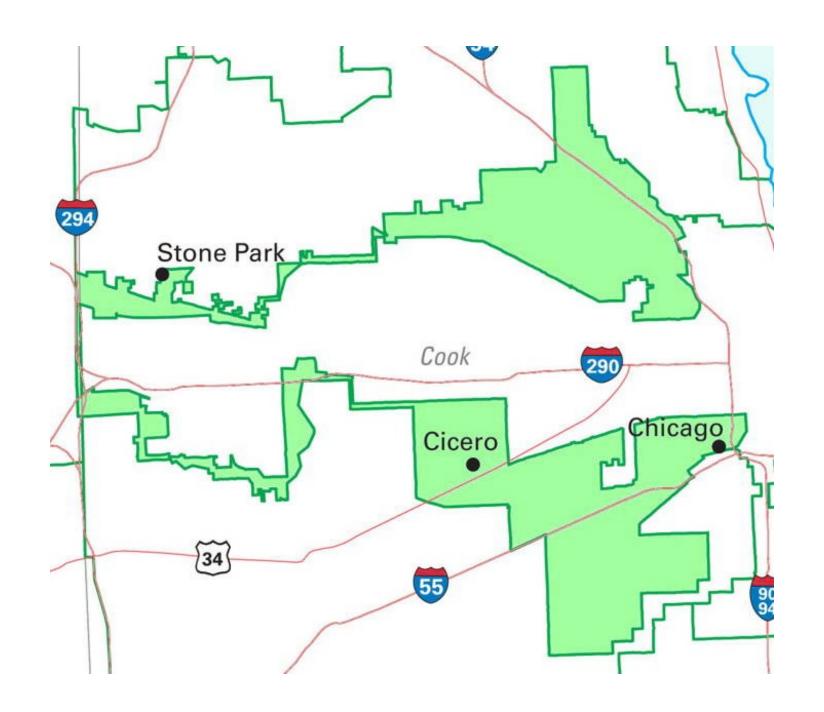














Ballot Order Effect

• List of candidates is not only a technical issue

Ranking as a key predictor of vote gains (and losses)

More complex lists lead to voters using cognitive shortcuts

Especially applies for less salient elections

Satisficing Theory

Sub-optimal decisions of voters

Interest of voters fades with every subsequent option

- Result:
 - Primacy effect more votes given to top candidates
 - Recency effect more votes given to last candidates

Other Explanations

- 'Good citizenship'
 - Turnout as an issue of its own value
 - Social pressure

- Complicated electoral rules
 - Alternative vote (Australia)
 - Donkey voting ascending/descending grading of candidates

HOW TO VOTE 1

VANESSA RAULAND

FOR CANNING

STANDING UP FOR WHAT MATTERS

You must number every box for your vote to count.

No ticks or crosses.

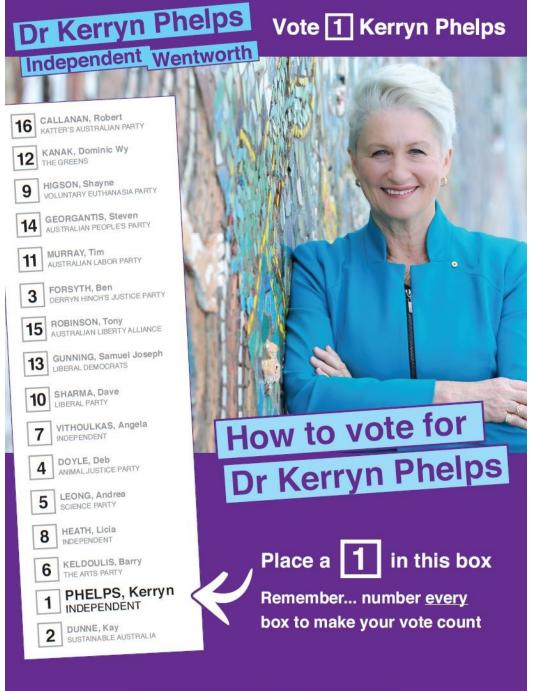
PLACE A '1' IN THIS BOX, THEN NUMBER ALL OTHER BOXES.



HOUSE OF REPRESENTATIVES

- 6 SHARMA, Vimal Kumar
- 8 WHITTLE, Connor Liberal Democrats
- 2 ALLEN, Michelle
- 7 SMITH, Greg Australian Defence Veterans Party
- 3 LOVE, Katrina
 Animal Justice Party
- 9 HASTIE, Andrew
- 12 VAN LIESHOUT, Teresa
- 4 KEOGH, Matt Australian Labor Party
- 1 RAULAND, Vanessa The Greens (WA)
- 10 McCOURT, Jim Family First Party
- 11 VAN BURGEL, Jamie
 Australian Christians
- 5 SMITH, Angela
 Sustainable Population Party

orised by Jess McColl on behalf of The Greens (WA), 445 Hay St, Perth, 6000 ed by The Environmental Printing Company, 2/20-24 Commerce St, Malaga WA 6090



Baird, Shiona 9 Heaven's Gate, Clifftop, LN18 4XS SCOTTISH GREEN PARTY	
Canavan, Dennis 14c Love Lane, Linford, LN1 4PD INDEPENDENT	
Fox, Colin 386 Burns Drive, Linford, LN5 7RF SCOTTISH SOCIALIST PARTY	Scottish Socialist Party
Goldie, Annabel 55 Camellia Crescent, Linford, LN8 3DK SCOTTISH CONSERVATIVE AND UNIONIST PARTY	Scottish Conservatives
Jamieson, Cathy 16 Thames Close, Bromham, AB13 4EF SCOTTISH LABOUR PARTY	Labour #
Lochhead, Richard 70 Rock Close, Bromham, AB21 12WX SCOTTISH NATIONAL PARTY	8
MacDonald, Margo 12 Grafton Grove, Bromham, AB12 3CD INDEPENDENT	
McConnell, Jack 24 Wallace Walk, Linford, LN4 9BY SCOTTISH LABOUR PARTY	Labour
McLetchie, David 94 Highland Grove, Bromham, AB18 9QR SCOTTISH CONSERVATIVE AND UNIONIST PARTY	Scottish Conservatives
Peacock, Peter 6 South Africa Road, Horwood, N1 3FG SCOTTISH LABOUR PARTY	Labour
Stephen, Nicol 25 Trebor Road, Horwood,N1 9TV SCOTTISH LIBERAL DEMOCRATS	SECTION INCOMENTAL INC
Sturgeon, Nicola 6 Sea Grove, Horwood, N1 6MN SCOTTISH NATIONAL PARTY	8
Swinney, John 6 Post Office Grove , Bigtown, KL1 6MN SCOTTISH NATIONAL PARTY	8
Wallace, Jim 6 South Road, Bigtown, KL1 3FG SCOTTISH LIBERAL DEMOCRATS	Nacrona Si Bacteria Composition







Is Ballot Order Effect a Problem?

- NO (partially)
 - Political parties decide the ranking of their candidates
 - Ranking as a result of selection process (primaries etc.)

• YES:

 If the candidates are ranked according to a criteria which has nothing to do with their qualities

ABCDEFG HIJKLMN OPQR5TU VWXY

Alphabet

A seemingly neutral ranking of letters in daily use

• Names of people, towns, streets, companies,...candidates

Ballot order effect → alphabetical ranking is not neutral

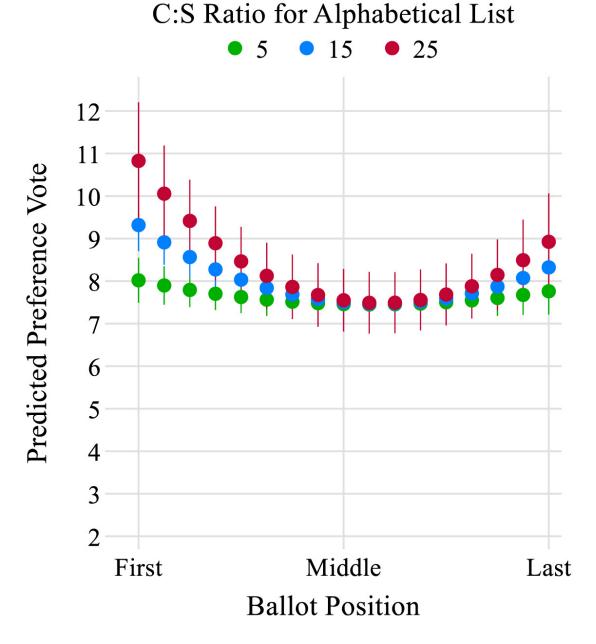
A threat to equal chances of candidates?

Why is Alphabet a Problem?

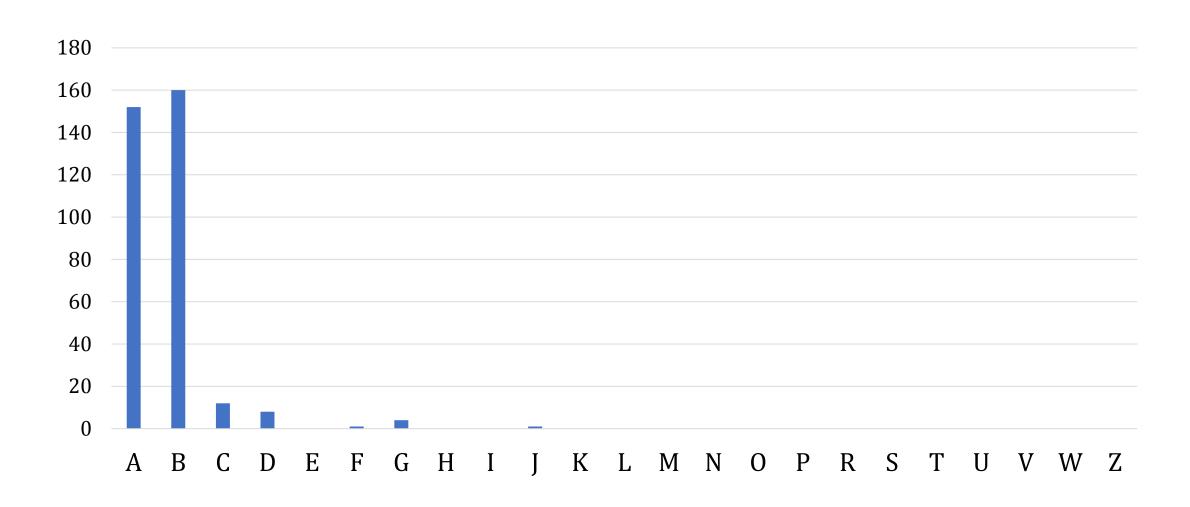
- Ranking of candidates based on a random criteria
 - Why not height, hair colour, age, favourite movie?
- Alphabet has nothing to do with quality of candidates
 - Is Jane a better candidate than Sophie?
 - Is Maurice a worse candidate than Ben?
- Unequal chances of candidates to be at the top/bottom of lists
 - If your name starts with 'M', what are the odds you will be number 1 on the list?

Elections in Finland

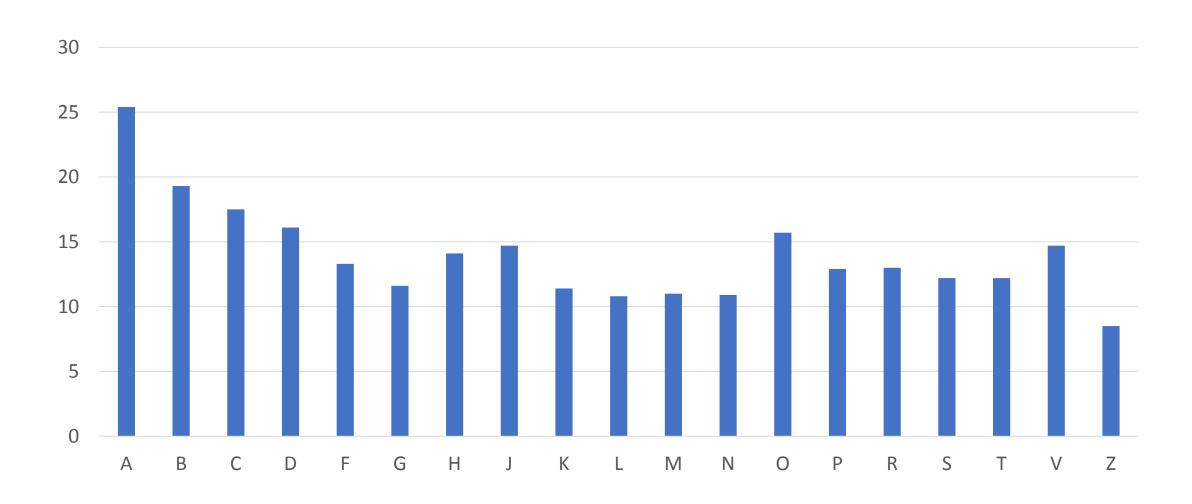




Regional Elections in Slovakia



Regional Elections in Slovakia



Experiment (Jusko, Spáč, Voda 2019)



	Voters with list A-B	Voters with list B-A	All voters
First position on list	60	40	100
Second position on list	40	60	100
Total	100	100	200

Results: candidate A (120 votes), candidate B (80 votes)

Experiment (Jusko, Spáč, Voda 2019)



	Voters with list A-B	Voters with list B-A	All voters
First position on list	65	45	110
Second position on list	35	55	90
Total	100	100	200

Results: candidate A (120 votes), candidate B (80 votes)

